

## ABSTRACT

A system (10) for imaging a combustion turbine engine airfoil includes a camera (12) and a positioner (24). The positioner may be controlled to dispose the camera within an inner turbine casing of the engine at a first position for acquiring a first image. The camera may then be moved to a second position for acquiring a second image. A storage device (30) stores the first and second images, and a processor (32) accesses the storage device to generate a composite image from the first and second images. For use when the airfoil is rotating, the system may also include a sensor (40) for generating a position signal (41) responsive to a detected angular position of an airfoil. The system may further include a trigger device (42), responsive to the position signal, for triggering the camera to acquire an image when the airfoil is proximate the camera.